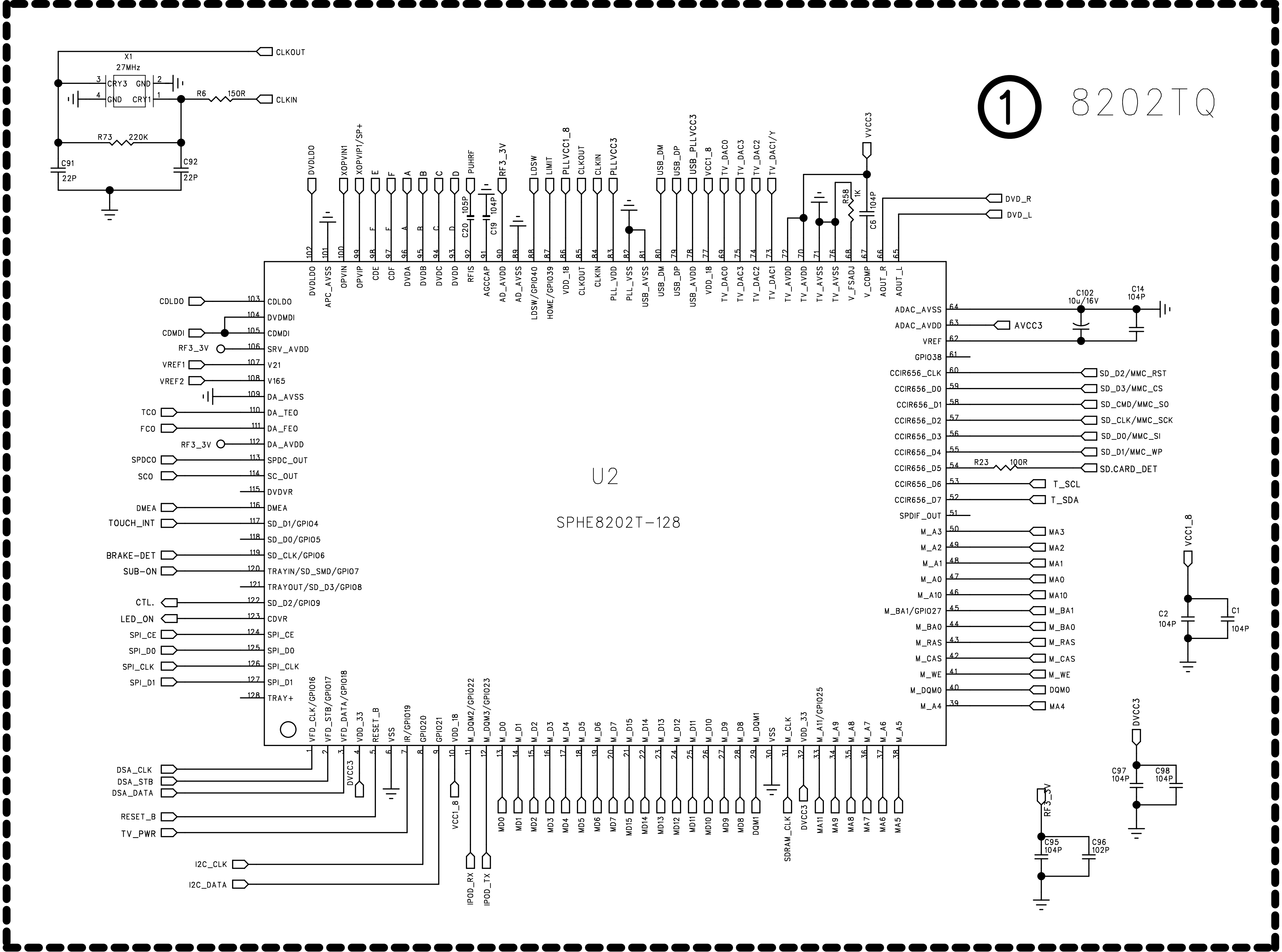
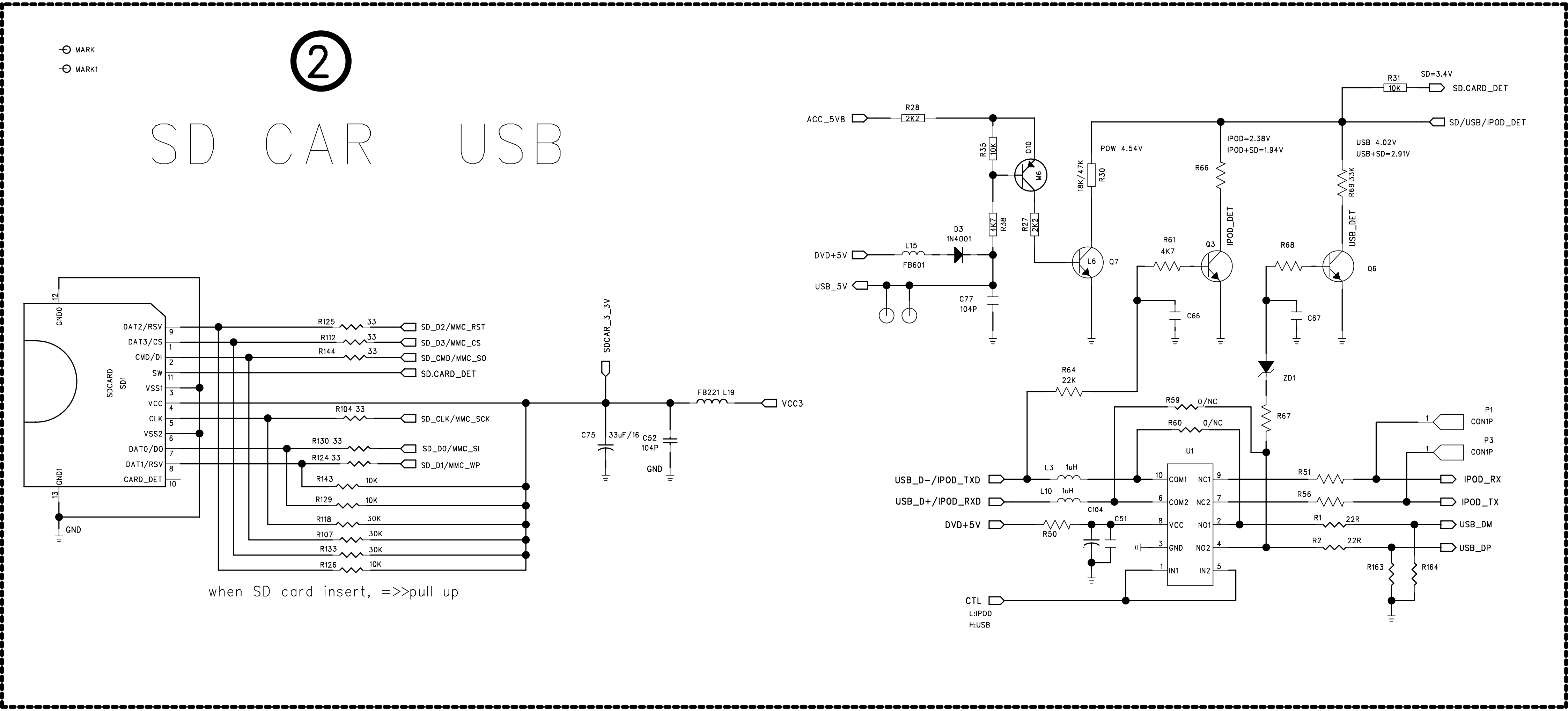
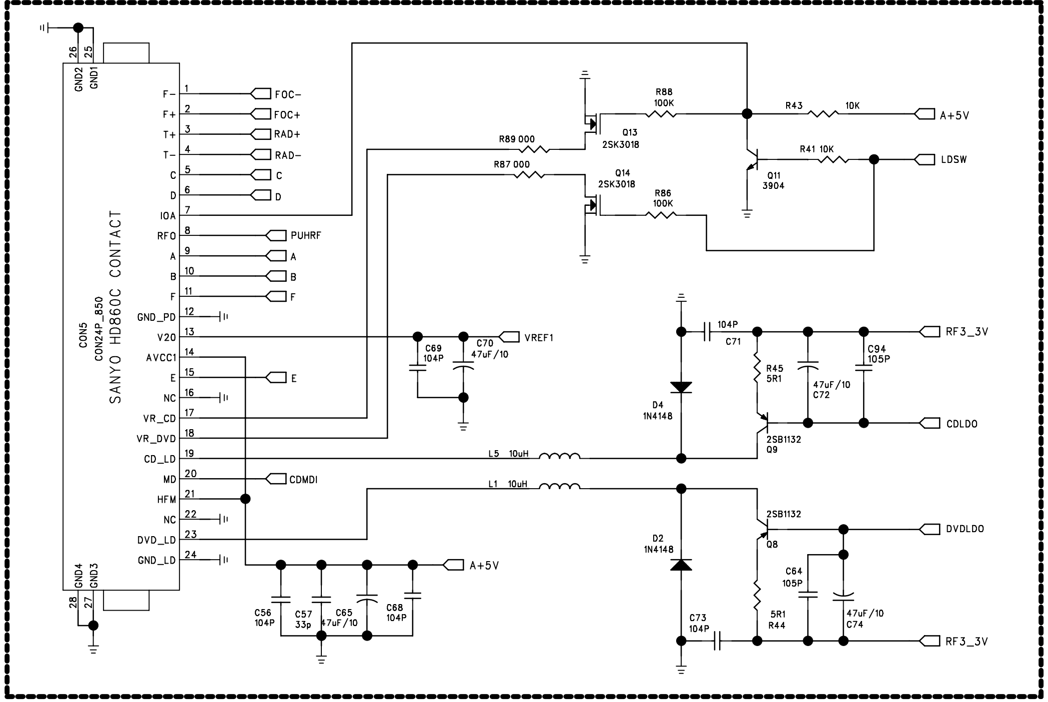


8202TQ
1
U2
SPHE8202T-128
X1 27MHz
CRY3
GND
CRY1
R6 150R
CLKOUT
CLKIN
R73 220K
C91 22P
C92 22P
DVDLDO
XOPVIN1
XOPVIP1/SP+
E
F
A
B
C
D
PUHRF
C20 105P
C19 104P
RF3_3V
LDSW
LIMIT
PLLVCC1_8
PLLVCC3
USB_DM
USB_DP
USB_PLLVCC3
VCC1_8
TV_DAC0
TV_DAC3
TV_DAC2
TV_DAC1/Y
VVCC3
R58 1K
C6 104P
DVD_R
DVD_L
APC_AVSS
OPVIN
OPVIP
CDE
CDF
DVDA
DVDB
DVDC
DVDD
RFIS
AGCCAP
AD_AVDD
AD_AVSS
LDSW/GPIO40
HOME/GPIO39
VDD_18
PLL_VDD
PLL_VSS
USB_AVSS
USB_AVDD
TV_AVDD
TV_AVSS
V_FSADJ
V_COMP
AOUT_R
AOUT_L
CDLDO
DVDMDI
CDMDI
SRV_AVDD
VREF1
V21
VREF2
V165
DA_AVSS
TCO
DA_TEO
FCO
DA_FEO
DA_AVDD
SPDCO
SPDC_OUT
SCO
SC_OUT
DVDVR
DMEA
TOUCH_INT
SD_D1/GPIO4
SD_D0/GPIO5
BRAKE-DET
SD_CLK/GPIO6
SUB-ON
TRAYIN/SD_SMD/GPIO7
TRAYOUT/SD_D3/GPIO8
CTL.
SD_D2/GPIO9
LED_ON
CDVR
SPI_CE
SPI_D0
SPI_CLK
SPI_D1
TRAY+
ADAC_AVSS
ADAC_AVDD
AVCC3
VREF
C102 10u/16V
C14 104P
GPIO38
CCIR656_CLK
SD_D2/MMC_RST
CCIR656_D0
SD_D3/MMC_CS
CCIR656_D1
SD_CMD/MMC_SO
CCIR656_D2
SD_CLK/MMC_SCK
CCIR656_D3
SD_D0/MMC_SI
CCIR656_D4
SD_D1/MMC_WP
CCIR656_D5
R23 100R
SD.CARD_DET
CCIR656_D6
T_SCL
CCIR656_D7
T_SDA
SPDIF_OUT
M_A3
MA3
M_A2
MA2
M_A1
MA1
M_A0
MA0
M_A10
MA10
M_BA1/GPIO27
M_BA1
M_BA0
M_RAS
M_CAS
M_WE
M_DQM0
DQM0
M_A4
MA4
C2 104P
C1 104P
VFD_CLK/GPIO16
VFD_STB/GPIO17
VFD_DATA/GPIO18
VDD_33
RESET_B
VSS
IR/GPIO19
GPIO20
GPIO21
M_DQM2/GPIO22
M_DQM3/GPIO23
M_D0
M_D1
M_D2
M_D3
M_D4
M_D5
M_D6
M_D7
M_D15
M_D14
M_D13
M_D12
M_D11
M_D10
M_D9
M_D8
M_DQM1
M_CLK
M_A11/GPIO25
M_A9
M_A8
M_A7
M_A6
M_A5
DSA_CLK
DSA_STB
DSA_DATA
DVCC3
RESET_B
TV_PWR
I2C_CLK
I2C_DATA
IPOD_RX
IPOD_TX
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD15
MD14
MD13
MD12
MD11
MD10
MD9
MD8
DQM1
SDRAM_CLK
MA11
MA9
MA8
MA7
MA6
MA5
C97 104P
C98 104P
C95 104P
C96 102P



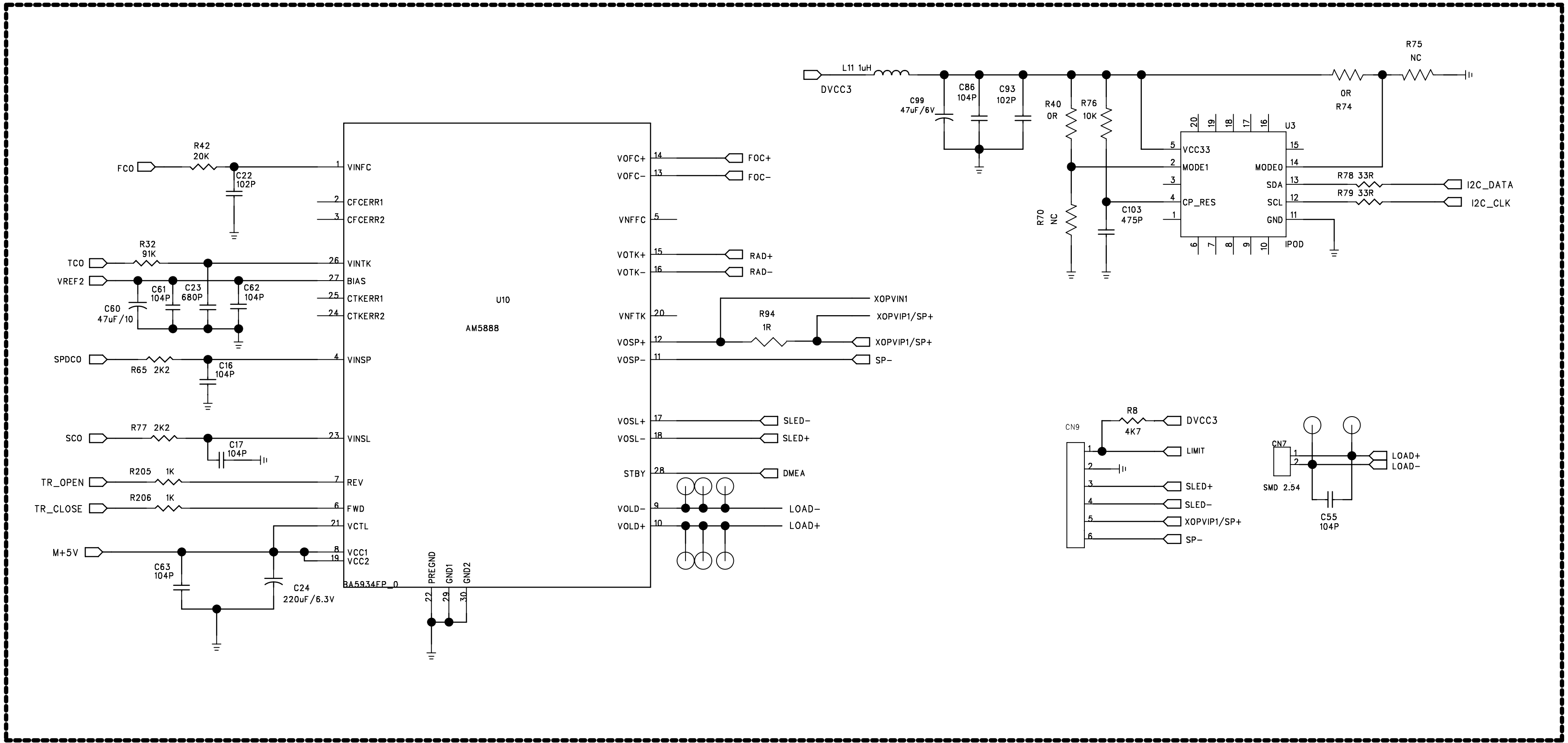
MARK
MARK1
2
SD CAR USB
SDCARD
SD1
GND0
DAT2/RSV
DAT3/CS
CMD/DI
SW
VSS1
VCC
CLK
VSS2
DAT0/DO
DAT1/RSV
CARD_DET
GND1
GND
R125 33
R112 33
R144 33
R104 33
R130 33
R124 33
R143 10K
R129 10K
R118 30K
R107 30K
R133 30K
R126 10K
SD_D2/MMC_RST
SD_D3/MMC_CS
SD_CMD/MMC_SO
SD.CARD_DET
SD_CLK/MMC_SCK
SD_D0/MMC_SI
SD_D1/MMC_WP
when SD card insert, =>>pull up
SDCAR_3_3V
C75
33uF/16
C52
104P
FB221 L19
VCC3
ACC_5V8
R28
2K2
R35
10K
Q10
M6
R38
4K7
R27
2K2
DVD+5V
L15
FB601
D3
1N4001
USB_5V
C77
104P
R30
18K/47K
POW 4.54V
L6
Q7
R61
4K7
Q3
IPOD_DET
R66
IPOD=2.38V
IPOD+SD=1.94V
C66
R68
Q6
USB_DET
R69 33K
USB 4.02V
USB+SD=2.91V
C67
R31
10K
SD=3.4V
SD.CARD_DET
SD/USB/IPOD_DET
R64
22K
ZD1
R67
R59 0/NC
R60 0/NC
U1
COM1
COM2
VCC
GND
IN1
NC1
NC2
NO1
NO2
IN2
USB_D-/IPOD_TXD
USB_D+/IPOD_RXD
DVD+5V
L3 1uH
L10 1uH
C104
C51
R50
CTL
L:IPOD
H:USB
P1
CON1P
P3
CON1P
R51
R56
R1 22R
R2 22R
R163
R164
IPOD_RX
IPOD_TX
USB_DM
USB_DP



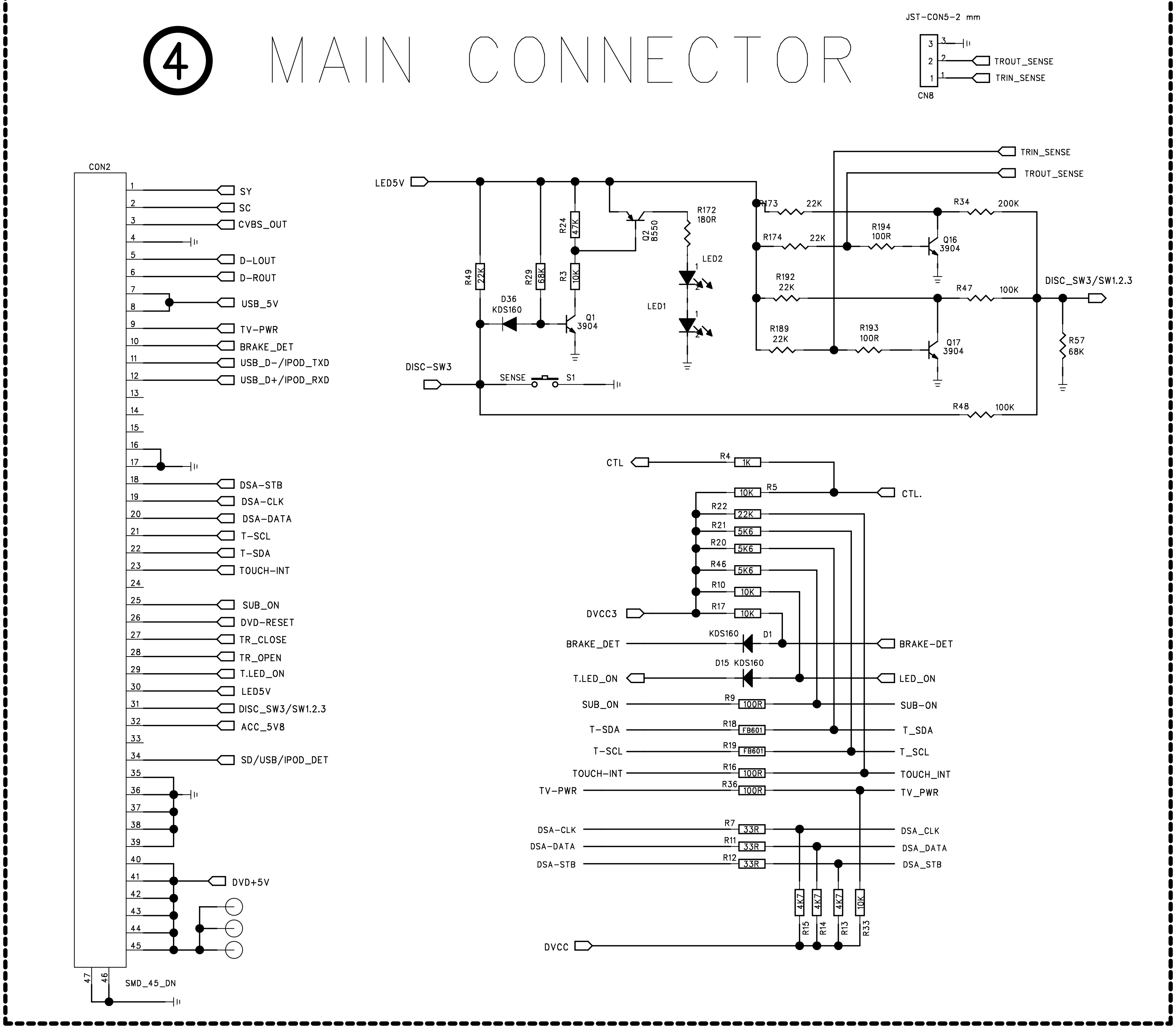
③

SANYO HD860C CONTACT

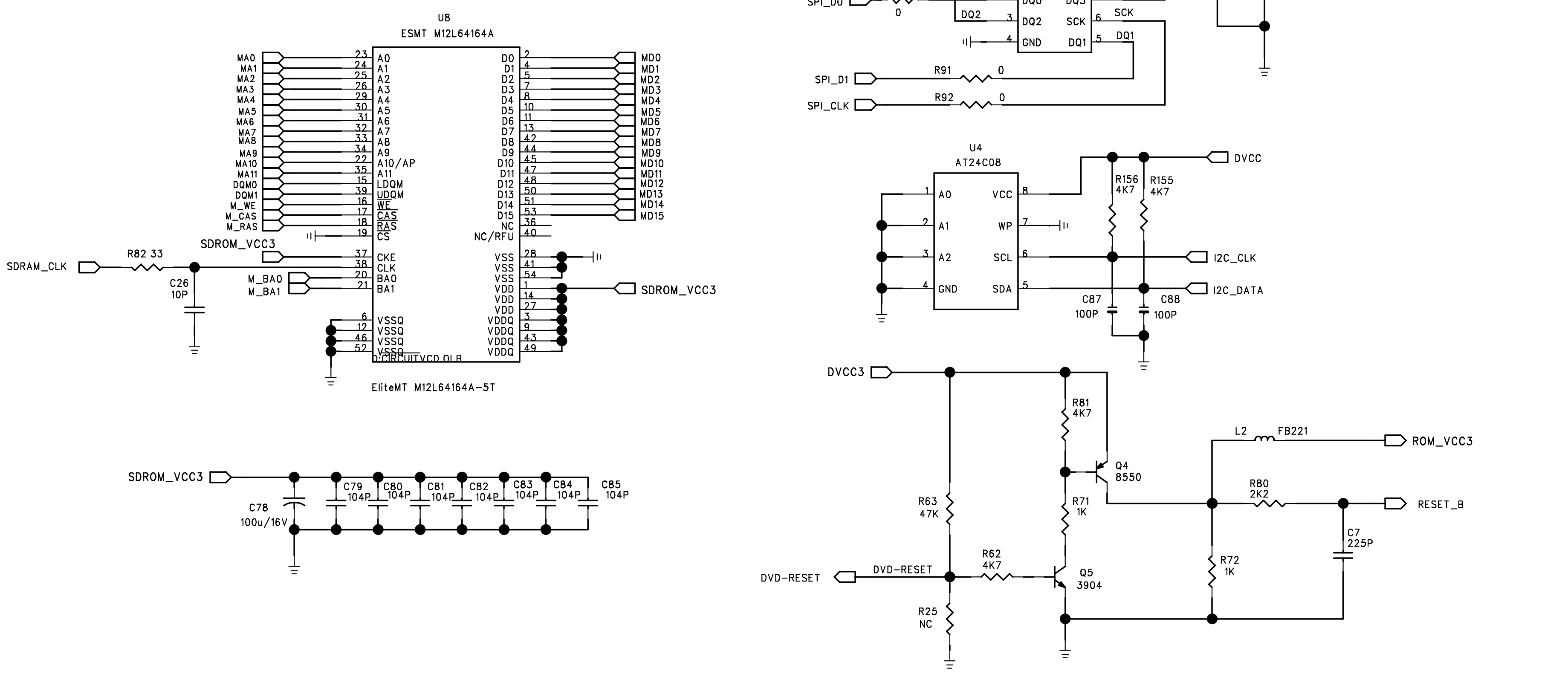
SERVO drive



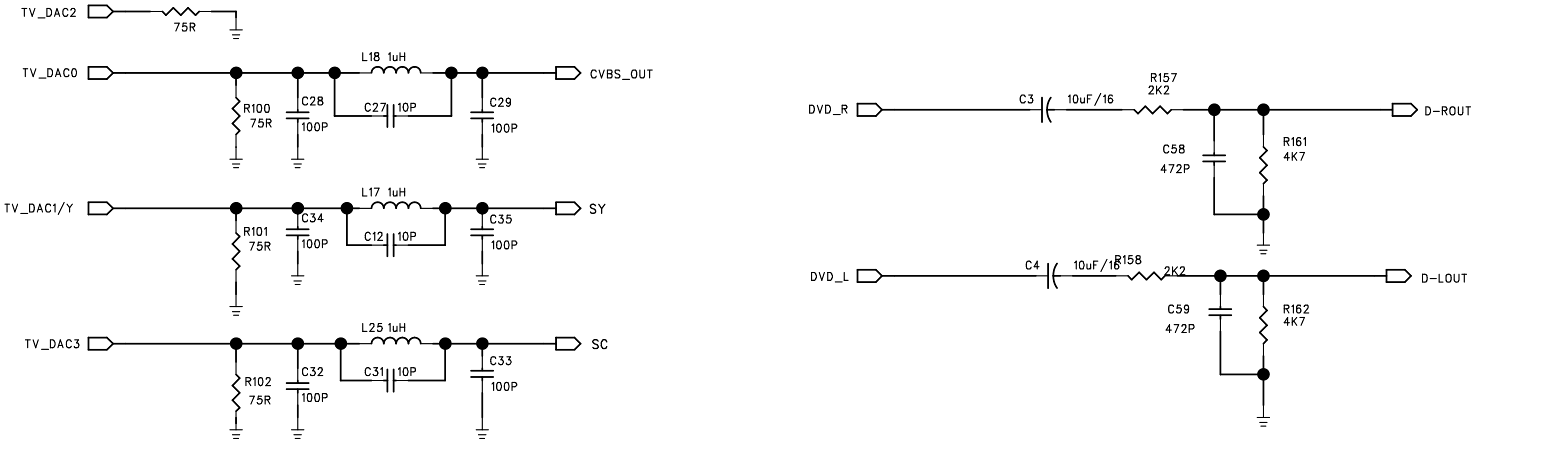
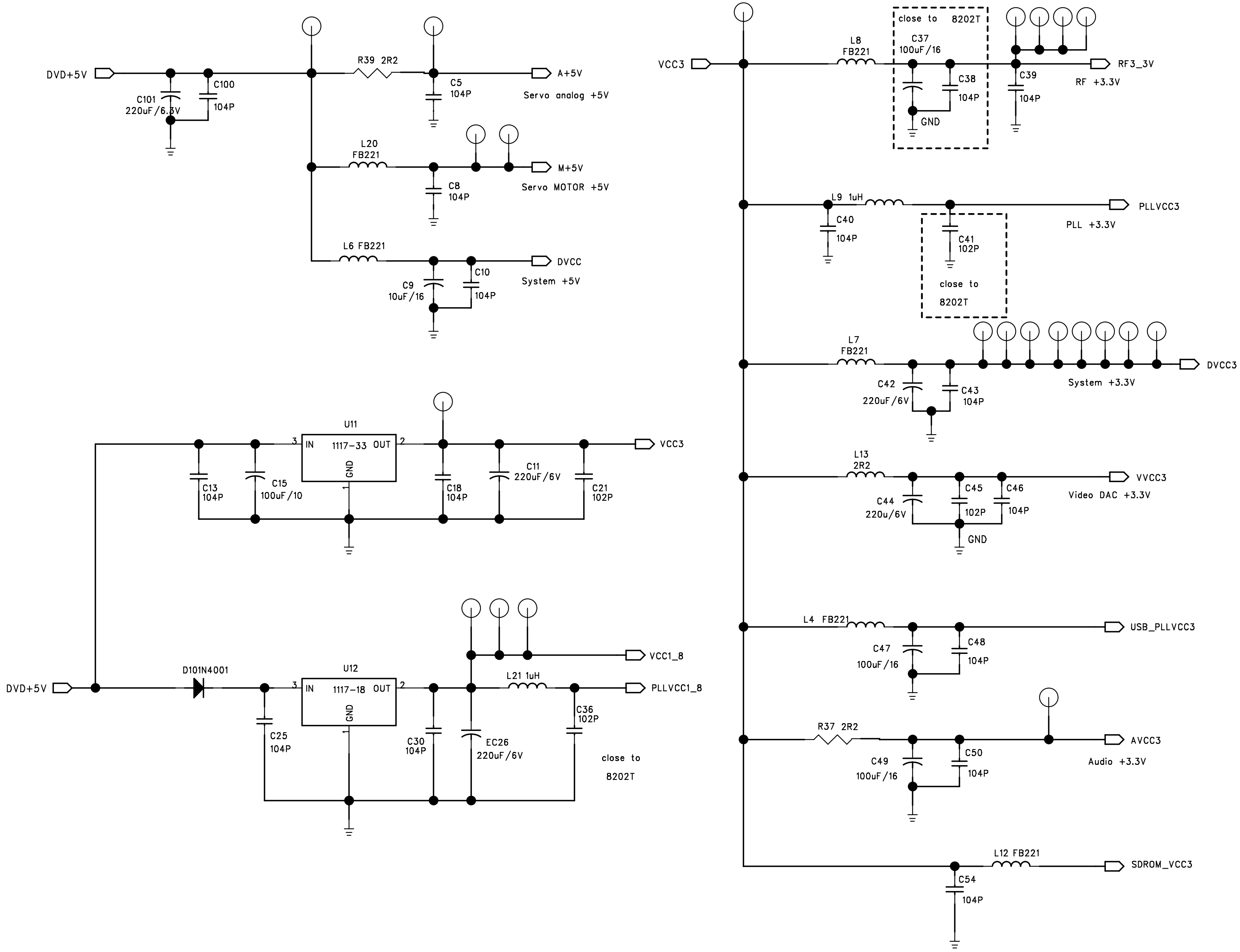
④ MAIN CONNECTOR



⑤ SDROM flash



AUDIO VIDEO Circuit



⑥ POWER CONNECTOR